CLAIMS

What is claimed is:

1. A method for enforcing restricted access of a media file, comprising:

storing a media file;

partitioning the media file into a plurality of sequential data blocks;

generating a plurality of cryptographic token keys;

encrypting the plurality of sequential data blocks with the plurality of cryptographic token keys, thereby producing a plurality of encrypted sequential data blocks;

transferring the plurality of encrypted sequential data blocks to a receiving client;

transferring one or more of the plurality of cryptographic token keys to the receiving client;

whereby the receiving client is enabled to decrypt each of the plurality of encrypted sequential data blocks that correspond to the one or more of the plurality of cryptographic token keys transferred, thereby enabling access to the media file.

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2. The method of claim 1, wherein the media file is a multimedia file.

3. The method of claim 1, wherein the media file is a video file.

4. The method of claim 1, wherein the media file is an audio file.

5. The method of claim 1, wherein the media file is a text file.

6. The method of claim 1, wherein the media file contains a time-sequential presentation which can be perceived by one or more of the senses.

7. The method of claim 1, wherein said partitioning further comprises:

compressing selected ones of the plurality of sequential data blocks.

8. The method of claim 1, wherein said generating further comprises:

generating one cryptographic token key for each one of the plurality of sequential data blocks.

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9. The method of claim 8, wherein said encrypting further comprises:

encrypting each one of the plurality of sequential data blocks with a corresponding one of the plurality of cryptographic token keys.

10. The method of claim 1, wherein said transferring further comprises:

recording the encrypted sequential data blocks on a recording medium.

11. The method of claim 1, wherein said transferring of the encrypted sequential data blocks further comprises:

transmitting over a communications link the plurality of encrypted sequential data blocks.

12. The method of claim 1, wherein said transferring of the plurality of cryptographic token keys further comprises:

transmitting over a communications link the one or more of the plurlaity of cryptographic token keys.

13. The method of claim 12, which further comprises:

transmitting the one or more of the plurality of cryptographic token keys in a sequence corresponding to a predetermined order of decryption of each of the plurality of encrypted sequential data blocks.

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14. The method of claim 12, which further comprises:

transmitting all of the cryptographic token keys in a token block, wherein each respective cryptographic token key may be retrieved from the token block in a sequence ordered by an order of occurrence decryption of each corresponding one of the encrypted sequential data blocks.

15. The method of claim 1, which further comprises:

sequentially decrypting at the receiving client, each respective one of the plurality of encrypted sequential data blocks using a corresponding one of the plurality of cryptographic token keys, thereby recovering and providing access to the media file.

16. The method of claim 12, which further comprises:

streaming each of the cryptographic token keys in a sequence ordered by an order of occurrence of decryption of each corresponding one of the encrypted sequential data blocks.

17 A system for enforcing restricted access of a media file, comprising:

a server for storing a media file;

a program in the server for partitioning the media file into a plurality of sequential data blocks;

a program in the server for generating a plurality of cryptographic token keys;

a program in the server for encrypting the plurality of sequential data blocks with the plurality of cryptographic token keys, thereby producing a plurality of encrypted sequential data blocks;

a program in the server for transferring the plurality of encrypted sequential data blocks to a receiving client;

a program in the server for transferring one or more of the plurality of cryptographic token keys to the receiving client;

whereby the receiving client is enabled to decrypt each of the plurality of encrypted sequential data blocks that correspond to the one or more of the plurality of cryptographic token keys transferred, thereby enabling access to the media file.

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18. A business method for enforcing restricted access of a media file, comprising:

storing a media file;

partitioning the media file into a plurality of sequential data blocks;

generating a plurality of cryptographic token keys;

encrypting the plurality of sequential data blocks with the plurality of cryptographic token keys, thereby producing a plurality of encrypted sequential data blocks;

transferring the plurality of encrypted sequential data blocks to a receiving client;

transferring one or more of the plurality of cryptographic token keys to the receiving client;

whereby the receiving client is enabled to decrypt each of the plurality of encrypted sequential data blocks that correspond to the one or more of the plurality of cryptographic token keys transferred, thereby enabling access to the media file.

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19. A computer program product for enforcing restricted access of a media file, comprising:

a computer readable medium;

a computer program code for partitioning a media file into a plurality of sequential data blocks;

a computer program code in said computer readable medium for generating a plurality of cryptographic token keys;

a computer program code in said computer readable medium for encrypting the plurality of sequential data blocks with the plurality of cryptographic token keys, thereby producing a plurality of encrypted sequential data blocks;

a computer program code in said computer readable medium for transferring the plurality of encrypted sequential data blocks to a receiving client;

a computer program code in said computer readable medium for transferring one or more of the plurality of cryptographic token keys to the receiving client;
whereby the receiving client is enabled to decrypt each of the plurality of encrypted sequential data blocks that correspond to the one or more of the plurality of cryptographic token keys transferred, thereby enabling access to the media file.

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